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1 [Enhancing the security of corporate Wi-Fi networks using DAIR](#)

[Paramvir Bahl](#), [Ranveer Chandra](#), [Jitendra Padhye](#), [Lenin Ravindranath](#), [Manpreet Singh](#), [Alec Wolman](#), [Brian Zill](#)

June **MobiSys '06: Proceedings of the 4th international conference on Mobile 2006 systems, applications and services**

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (302.26 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 95, Downloads (12 Months): 426, Citation Count: 5

We present a framework for monitoring enterprise wireless networks using desktop infrastructure. The framework is called DAIR, which is short for *Dense Array of Inexpensive Radios*. We demonstrate that the DAIR framework is useful for detecting ...

2 **Keywords:** 802.11, denial-of-service, rogue AP, security, wireless networks [FLIP: a flexible interconnection protocol for heterogeneous internetworking](#)

[Ignacio Solis](#), [Katia Obraczka](#)

August **Mobile Networks and Applications**, Volume 9 Issue 4 2004

Publisher: Kluwer Academic Publishers

Full text available: [Pdf](#) (549.43 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 92, Citation Count: 1

This paper describes the Flexible Interconnection Protocol, or FLIP, whose main goal is to allow interconnection of heterogeneous devices with varying power, processing, and communication capabilities, ranging from simple sensors to more powerful computing ...

Keywords: flexible headers, heterogeneous networks, optimized headers, sensor networks

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3 [Identity and access management for the distribution of social grants in South](#)



[Africa](#)

[Gideon Ranga, Stephen Flowerday](#)

October 2007 **SAICSIT '07**: Proceedings of the 2007 annual research conference of the South African institute of computer scientists and information technologists on IT research in developing countries

Publisher: ACM

Full text available: [Pdf](#) (527.83 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 84, Citation Count: 0

Identity and Access Management (IAM) is an emerging solution for authenticating and authorising individuals. This begins with determining an individual's 'identity' through identification and verification processes. Then it becomes vital for every organisation ...

Keywords: authentication, authorisation, federated and isolated identity management architectures, identity and access management

4 [Building bridges for learning within and between organizations](#)



[Grace Chiang, Robin Deily, Jeanne Cavanaugh, Marge Rowell, Barbara Sydney, Colleen Wheeler](#)

October 2001 **SIGUCCS '01**: Proceedings of the 29th annual ACM SIGUCCS conference on User services

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (157.03 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 20, Citation Count: 0

Two panels explore examples of fruitful collaboration between, and across, higher education organizations. Panel 1: Panel members discuss how Lehigh's instructional technologists use an effective, team-based approach to evaluate new technologies and ...

Keywords: Boston Consortium, WBT, academic, application, campus needs, collaboration, consortia, education, evaluate, higher education, innovation, instructional technology, learning, model, pilot, relationship, service, support, teaching, teamwork, technologist, technology, training, trust, web-based training

5 [Dynamic Warp Formation and Scheduling for Efficient GPU Control Flow](#)

[Wilson W. L. Fung, Ivan Sham, George Yuan, Tor M. Aamodi](#)

December 2007 **MI CRO '07**: Proceedings of the 40th Annual IEEE/ACM International Symposium on Microarchitecture

Publisher: IEEE Computer Society

Full text available: [Pdf](#) (904.60 KB)

Additional Information: [full citation](#), [abstract](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 195, Citation Count: 1

Recent advances in graphics processing units (GPUs) have resulted in massively parallel hardware that is easily programmable and widely available in commodity desktop computer systems. GPUs typically use single-instruction, multiple-data (SIMD) pipelines ...

6 [An anchor chain scheme for IP mobility management](#)

[Yigal Bejerano, Israel Cidon](#)

September 2003

Wireless Networks , Volume 9 Issue 5

Publisher: Kluwer Academic Publishers

Full text available:  [Pdf](#) (278.55 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 27, Citation Count: 2

This work presents a simple mobility scheme for IP-based networks, termed the "anchor chain" scheme. The scheme combines pointer forwarding and caching methods. Every mobile host (MH) is associated with a chain of anchors that connects it to its home ...

Keywords: cellular systems, location management, mobile-IP, mobility management, personal communication system, wireless systems

7 [A taxonomy of DDoS attack and DDoS defense mechanisms](#)




[Jejena Mirkovic, Peter Reiher](#)

April 2004

SI GCOMM Computer Communication Review , Volume 34 Issue 2

Publisher: ACM

Full text available:  [Pdf](#) (209.38 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 90, Downloads (12 Months): 721, Citation Count: 46

Distributed denial-of-service (DDoS) is a rapidly growing problem. The multitude and variety of both the attacks and the defense approaches is overwhelming. This paper presents two taxonomies for classifying attacks and defenses, and thus provides researchers ...

8 [Post-development software architecture](#)




[Gang Huang](#)

September 2007

SI GSOFT Software Engineering Notes , Volume 32 Issue 5

Publisher: ACM

Full text available:  [Pdf](#) (623.19 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 30, Downloads (12 Months): 237, Citation Count: 0

Software architecture (SA) plays an important role in software development. Since the lifecycle stages post development become more and more important and face with many challenges similar to the development, it is a natural idea to introduce or extend ...

Keywords: deployment, runtime software architecture, software architecture, software maintenance

9 The future of homecare systems in the context of the ubiquitous web and its related mobile technologies



Carl Tavior, Lubna Dajani

July **PETRA '08**: Proceedings of the 1st international conference on Pervasive 2008 Technologies Related to Assistive Environments

Publisher: ACM

Full text available: Pdf (191.62 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 34, Downloads (12 Months): 177, Citation Count: 0

This paper is a call for the technological provision of homecare to be seen in the wider context of the development of the Internet, and the connected benefits that it brings to the elderly citizen. Recent discussions on the Ubiquitous Web at MobileMonday ...

Keywords: ZigBee, broadband, home care, interactive voice recognition, internet, life logging, mobile, near field communications, personal area network, sensors, software, software as a service, ubiquitous web

10 Network exception handlers: host-network control in enterprise networks



Thomas Karagiannis, Richard Mortier, Antony Rowstron

August **SIGCOMM '08**: Proceedings of the ACM SIGCOMM 2008 conference on 2008 Data communication

Publisher: ACM [Request Permissions](#)

Full text available: Pdf (417.26 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 179, Citation Count: 0

Enterprise network architecture and management have followed the Internet's design principles despite different requirements and characteristics: enterprise hosts are administered by a single authority, which intrinsically assigns different values to ...

Keywords: enterprise networks, management, network exception handlers

Also published in:


October 2008 **SIGCOMM Computer Communication Review** Volume 38 Issue 4

11 [Industry track: adaptive wireless video streaming proxy for home entertainment networks](#)

Richard Y. Chen, Pei Liu, Karl Wittig, Rüdiger Schmitt

August 2006 **WICON '06: Proceedings of the 2nd annual international workshop on Wireless internet**

Publisher: ACM

Full text available:  Pdf (248.69 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 25, Citation Count: 0

In this paper, we propose an adaptive wireless video streaming proxy (AWVSP) for distributing broadcast quality video coded using conventional non-scalable MPEG profiles. A fast Rate-Distortion optimized Data Partitioning (RDDP) algorithm is employed ...

Keywords: MPEG, WLAN, adaptive video streaming, data partitioning, rate adaptation, streaming proxy

12 [Performance evaluation of safety applications over DSRC vehicular ad hoc networks](#)

Jiun Yin, Tamer ElBatt, Gavin Yeung, Bo Ryu, Stephen Habermas, Hariharan. Krishnan, Timothy Talty

October 2004 **VANET '04: Proceedings of the 1st ACM international workshop on Vehicular ad hoc networks**

Publisher: ACM 

Full text available:  Pdf (505.89 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 83, Downloads (12 Months): 548, Citation Count: 11

In this paper we conduct a feasibility study of delay-critical safety applications over vehicular ad hoc networks based on the emerging dedicated short range communications (DSRC) standard. In particular, we quantify the bit error rate, throughput and ...


Keywords: DSRC, MANETs, OFDM, bit error rate, intervehicle communications, latency, safety applications, simulation, throughput

13 [Mobility-based anomaly detection in cellular mobile networks](#)

Bo Sun, Fei Yu, Kui Wu, Victor C. M. Leung

October 2004 **WiSe '04: Proceedings of the 3rd ACM workshop on Wireless security 2004**

Publisher: ACM 

Full text available:  Pdf (164.52 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 94, Citation Count: 1

This paper presents an efficient on-line anomaly detection algorithm that can effectively identify a group of especially harmful *internal* attackers - *masqueraders* in cellular mobile networks. Our scheme is derived from a well-developed ...

Keywords: anomaly detection, cellular mobile networks, data compression

14 [XAHM: an adaptive hypermedia model based on XML](#)



[Mario Cannataro, Alfredo Cuzzocrea, Andrea Pugliese](#)

July **SEKE '02:** Proceedings of the 14th international conference on Software 2002 engineering and knowledge engineering

Publisher: ACM

Full text available: [Pdf](#) (345.56 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 24, Citation Count: 2

This paper presents XAHM, a model for Adaptive Hypermedia Systems based on XML. We introduce a multidimensional approach to model different aspects of the adaptation process, which is based on three different "adaptivity dimensions": user's behavior ...

Keywords: XML, adaptive hypermedia system, hypermedia modeling

15 [Performance analysis of mobility-assisted routing](#)



[Thrasylvoulos Spyropoulos, Konstantinos Psounis, Cauligi S. Raghavendra](#)

May **MobiHoc '06:** Proceedings of the 7th ACM international symposium on 2006 Mobile ad hoc networking and computing

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (340.17 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 215, Citation Count: 17

Traditionally, ad hoc networks have been viewed as a connected graph over which end-to-end routing paths had to be established. Mobility was considered a necessary evil that invalidates paths and needs to be overcome in an intelligent way to allow for ...

Keywords: ad-hoc networks, delay tolerant networks, hitting times, intermittent connectivity, mobility modelling, routing

16 [Analyzing the browse patterns of mobile clients](#)



[Atul Adya](#), [Paramvir Bahl](#), [Lili Qiu](#)

November 2001 **IMW '01: Proceedings of the 1st ACM SIGCOMM Workshop on Internet Measurement**

Publisher: ACM [Request Permissions](#)

Full text available: [PDF](#) (1.00 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 54, Citation Count: 8

We study the dynamics of a large popular commercial Web site designed specifically for users who access it via their cell-phones and PDAs. Unlike most previous Web studies that have analyzed accesses seen by proxies and servers from clients connected ...

17 [System level interconnect design for network-on-chip using interconnect IPs](#)



[Jian Liu](#), [Meigen Shen](#), [Li-Rong Zheng](#), [Hannu Tenhunen](#)

April 2003 **SLIP '03: Proceedings of the 2003 international workshop on System-level interconnect prediction**

Publisher: ACM [Request Permissions](#)

Full text available: [PDF](#) (272.53 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 33, Citation Count: 2

As technology scales down, the interconnect for on-chip global communication becomes the delay bottleneck. In order to provide well-controlled global wire delay and efficient global communication, a Network-on-Chip (NoC) architecture was proposed by ...

Keywords: bandwidth optimization, interconnect, interconnect IP, network on chip

18 [The language of privacy: Learning from video media space analysis and design](#)



[Michael Boyle](#), [Saul Greenberg](#)

June 2005 **Transactions on Computer-Human Interaction (TOCHI)**, Volume 12 Issue 2

Publisher: ACM [Request Permissions](#)

Full text available: [PDF](#) (1.12 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 32, Downloads (12 Months): 315, Citation Count: 16

Video media spaces are an excellent crucible for the study of privacy. Their design affords opportunities for misuse, prompts ethical questions, and engenders grave concerns from both users and nonusers. Despite considerable discussion of the privacy ...

Keywords: Human-computer interaction, autonomy, computer-supported cooperative work (CSCW), confidentiality, environmental psychology, privacy, social interaction, solitude, user interface design, video media spaces

19 [Long-term evolution of passive optical networks](#)



[J. Prat](#), [P. Chanciou](#), [R. Davey](#), [J. M. Finochietto](#), [G. Franzl](#), [A. M. J. Koonen](#), [S. Walker](#)

September 2006

AccessNets '06: Proceedings of the 1st international conference on Access networks

Publisher: ACM

Full text available: [Pdf](#) (61.14 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 122, Citation Count: 0

With the recent increase of the number of Fiber-to-the-Home deployments worldwide, and the corresponding huge investment in infrastructure, there is a need to devise a migration path that assures the full future usability and enhanced performance of ...

20 [High performance and scalable I/O virtualization via self-virtualized devices](#)



[Himanshu Raj](#), [Karsten Schwan](#)

June 2007 **HPDC '07**: Proceedings of the 16th international symposium on High performance distributed computing

Publisher: ACM

Full text available: [Pdf](#) (420.44 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 35, Downloads (12 Months): 468, Citation Count: 7

While industry is making rapid advances in system virtualization, for server consolidation and for improving system maintenance and management, it has not yet become clear how virtualization can contribute to the performance of high end systems. In this ...

Keywords: virtual devices, virtualization

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